

Rat Tissue Inhibitors of Metalloproteinase 4 ELISA Kit | TIMP-4 elisa kit

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CATALOG #
AAA99819

REACTIVITY
Rat

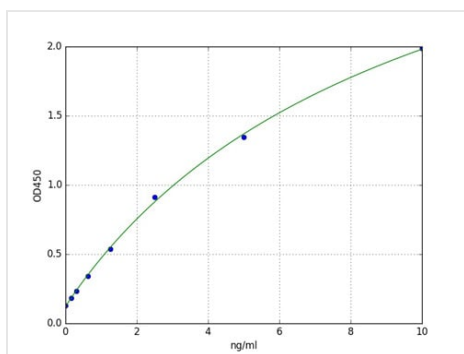
PRODUCT SYNONYMS

Tissue Inhibitors of Metalloproteinase 4; Rat Tissue Inhibitors of Metalloproteinase 4 ELISA Kit; TIMP-4/TIMP4/TIMP metalloproteinase inhibitor 4/tissue inhibitor of metalloproteinase 4; TIMP-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	51
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a TIMP-4 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.009	0.087	0.185	0.423	0.566	0.903	1.754	2.581

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-4 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TIMP-4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TIMP-4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TIMP-4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TIMP-4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48734400
NCBI GeneID	110595
Molecular Weight	25,774 Da
NCBI Official Full Name	tissue inhibitor of metalloproteinase 4, partial
NCBI Official Synonym Full Names	tissue inhibitor of metalloproteinase 4
NCBI Official Symbol	Timp4
NCBI Official Synonym Symbols	TIMP-4
NCBI Protein Information	metalloproteinase inhibitor 4
UniProt Protein Name	Metalloproteinase inhibitor 4
UniProt Gene Name	Timp4
UniProt Synonym Gene Names	TIMP-4
UniProt Entry Name	TIMP4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/timp-4-rat-elisa-kits/tissue-inhibitors-of-metalloproteinase-4/99819>